SPECIFICATION

Please amend paragraph [0006] as follows:

[0006] In accordance with a first aspect of the present invention there is provided a method of image processing ~~as claimed in claim 1~~ for processing a plurality of pixels representing at least a portion of an image by scanning a pixel in the plurality of pixels to determine if the pixel contains image information of significance; if the pixel contains image information of significance, determining if only an immediately previously scanned single pixel (single pixel) contains image information of significance; if the single pixel contains image information of significance, assigning the pixel to an existing image segment of the single pixel; if the single pixel does not contain image information of significance, creating a new image segment and assigning the pixel to the new image segment; in response to assigning the pixel to an existing image segment or to creating a new image segment, updating inertia information for either the new image segment or the existing image segment, respectively; if only a single, previously scanned pixel adjacent to the pixel (adjacent pixel), that is not the single pixel, contains image information of significance, and if the adjacent pixel is assigned to an image segment that does not include the pixel, then merging the new image segment or the existing image segment, respectively, that includes the pixel, with the image segment. These steps are repeated for the next sequential pixel of the plurality of pixels.

Please delete paragraphs [0007], [0008] and [0009].